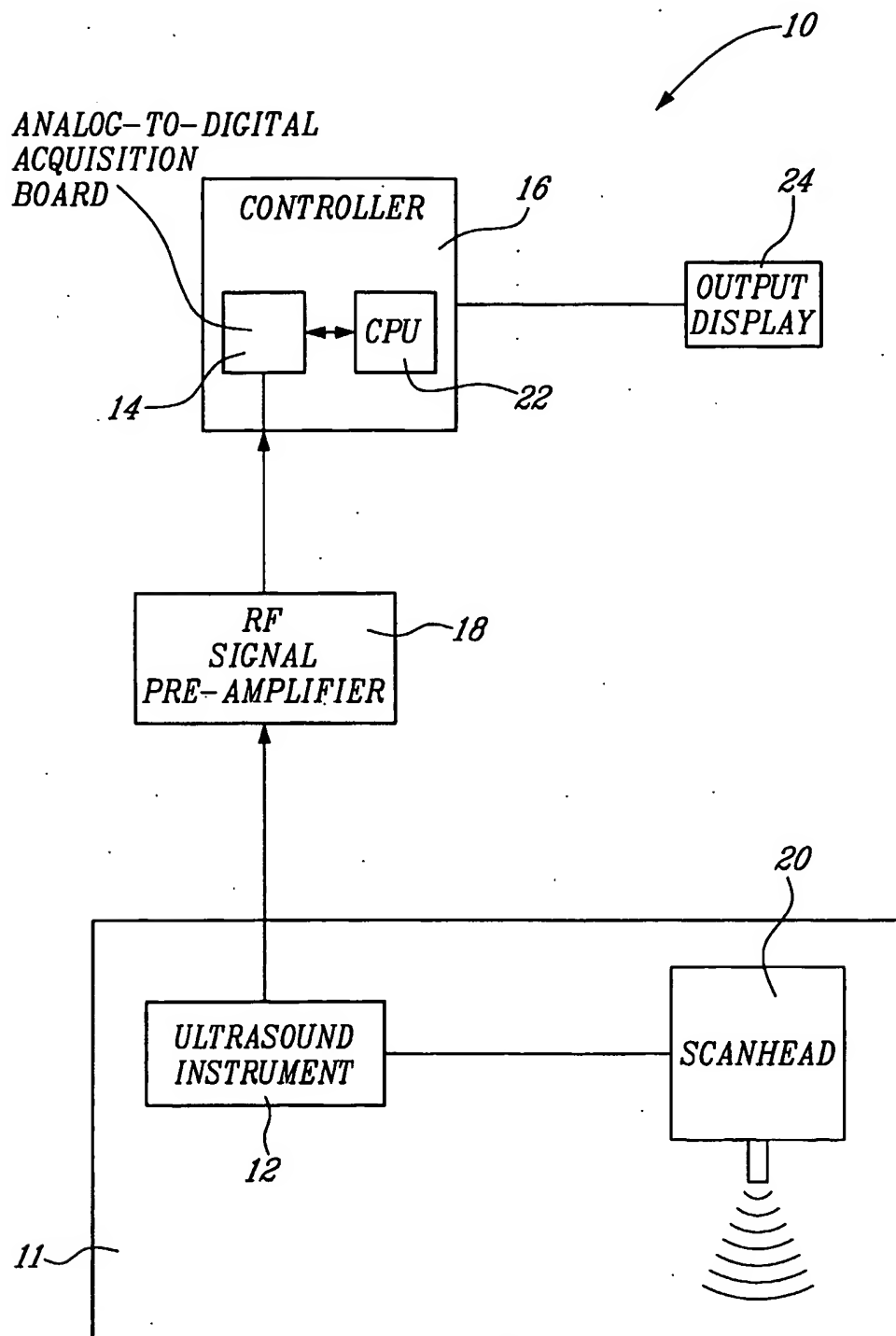
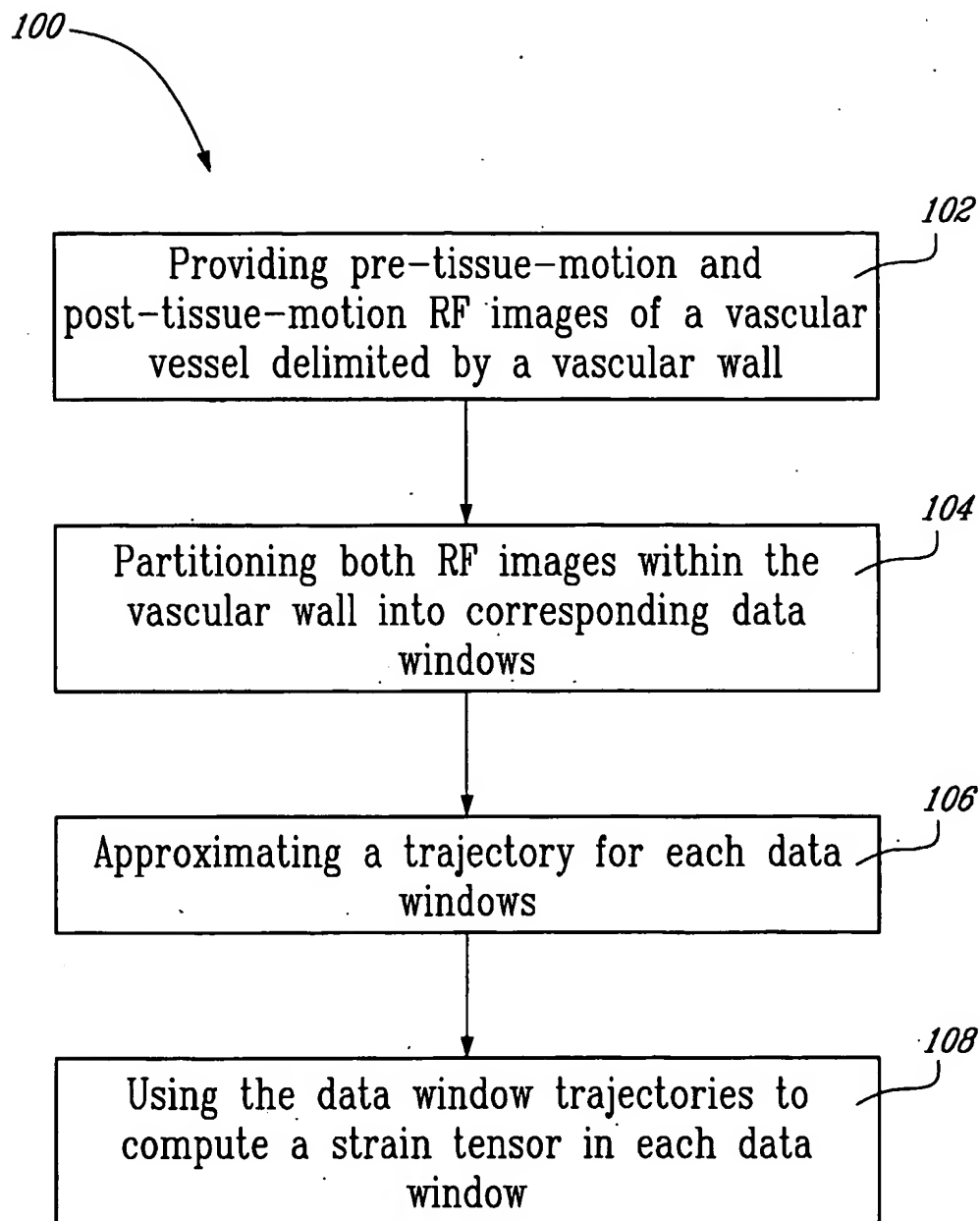


1/21

FIG. 1

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2/21

FIG. 2

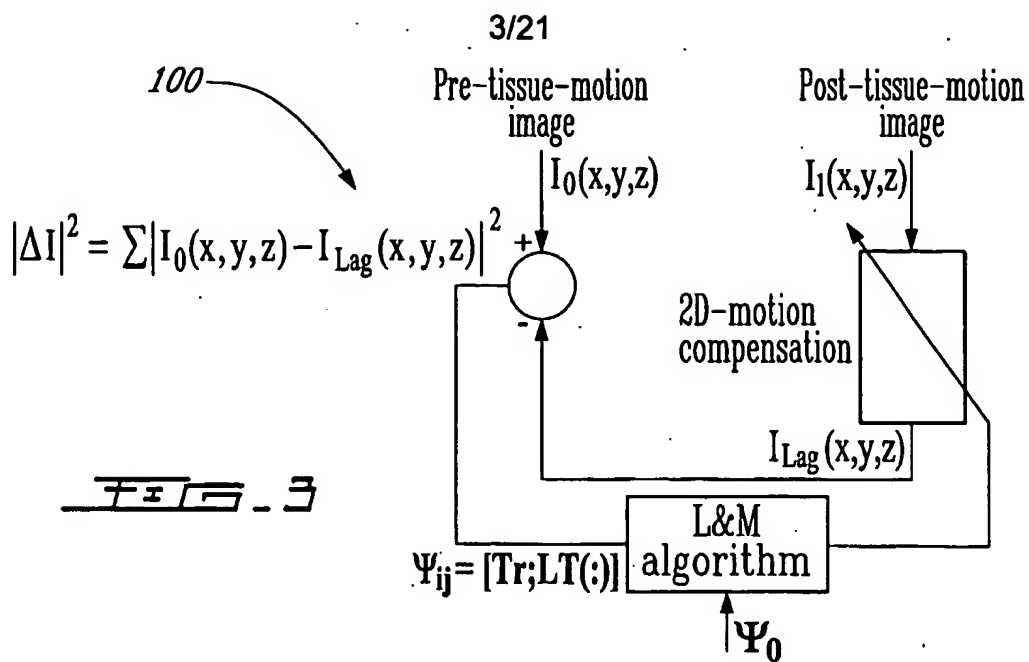


FIG. 3

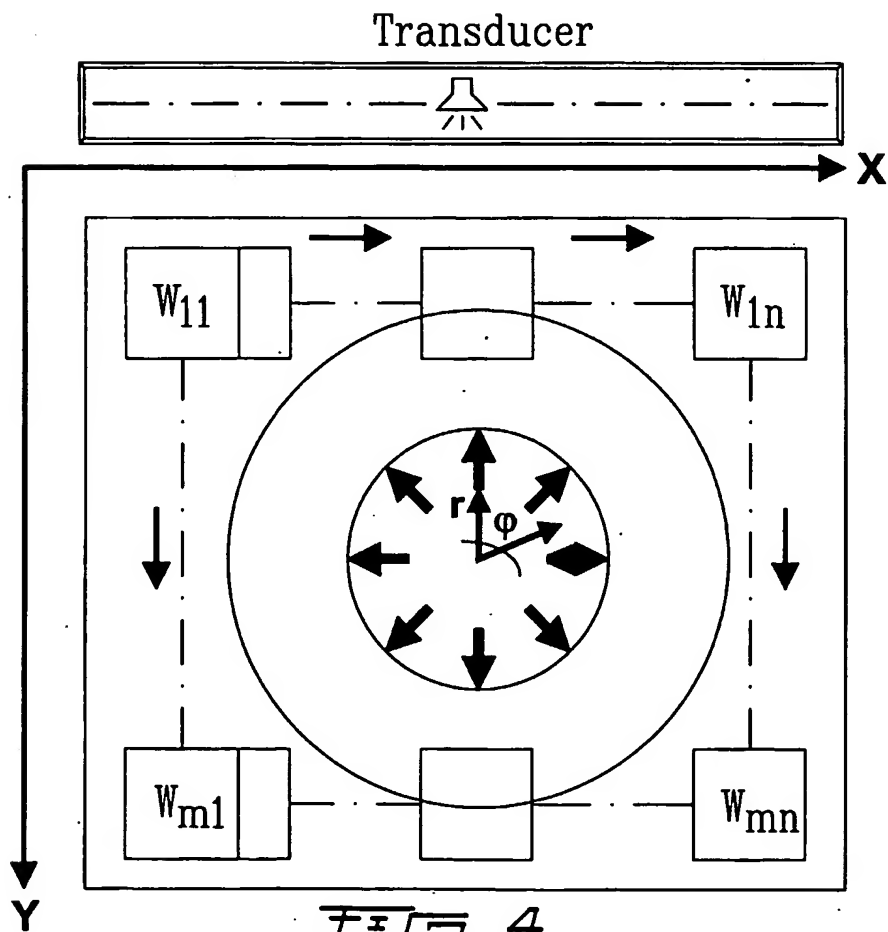
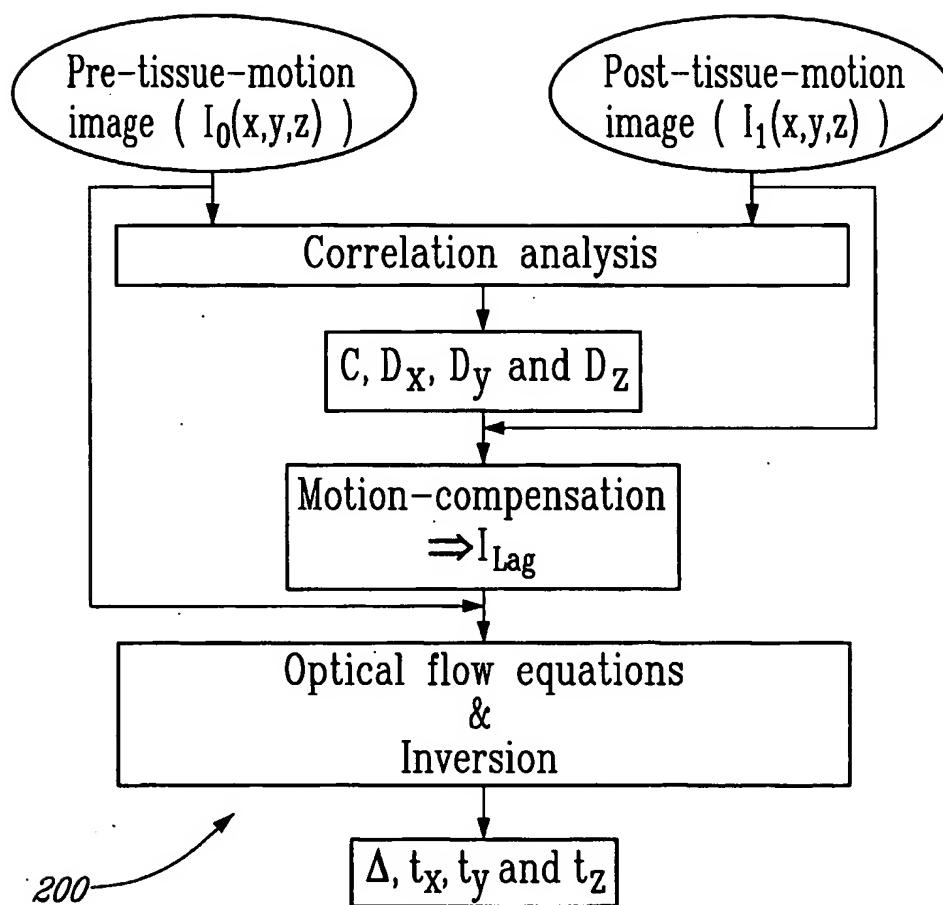
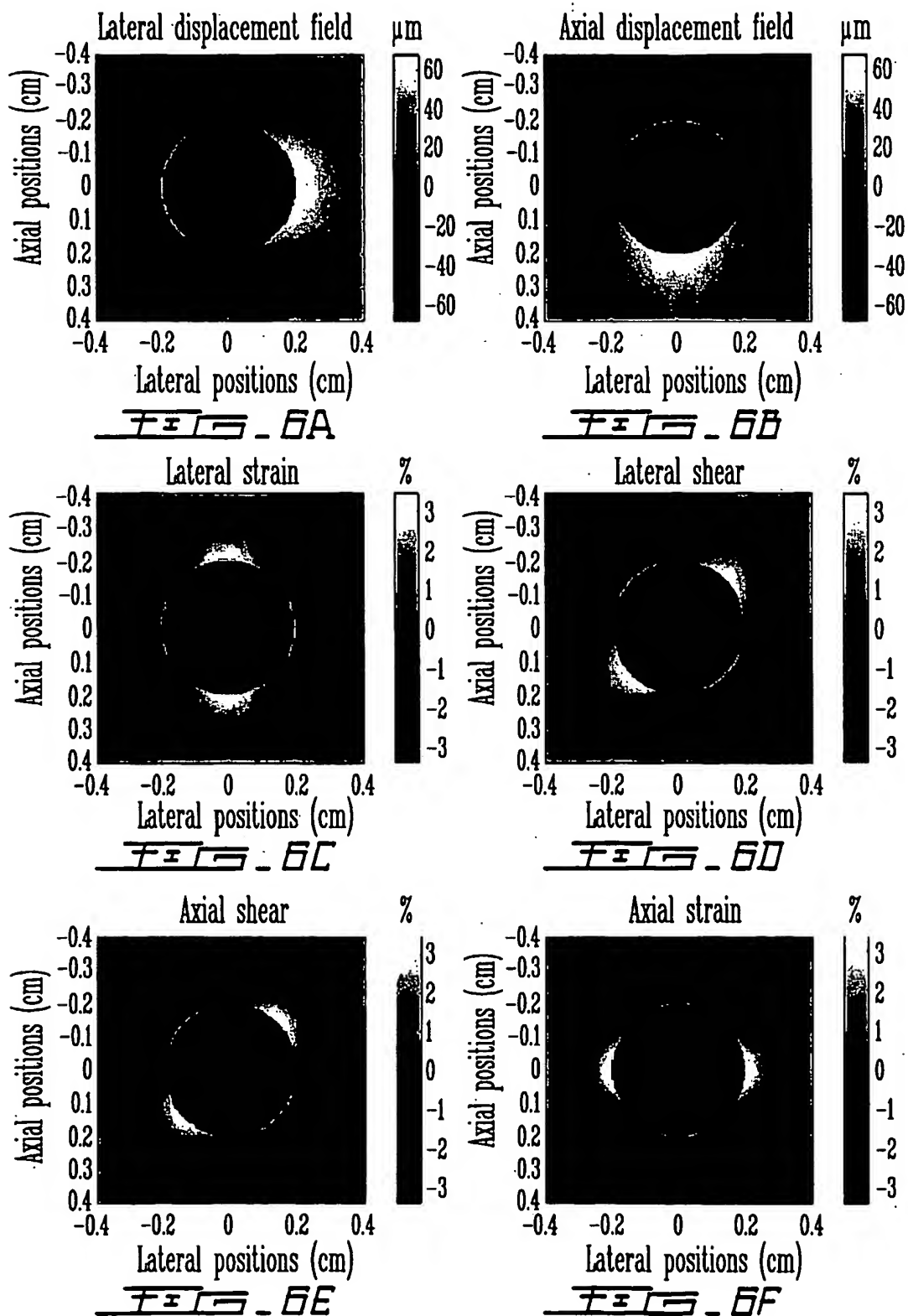


FIG. 4

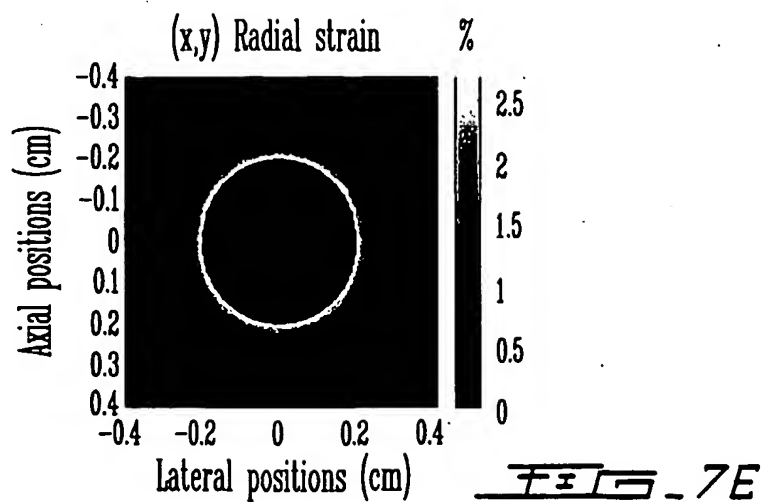
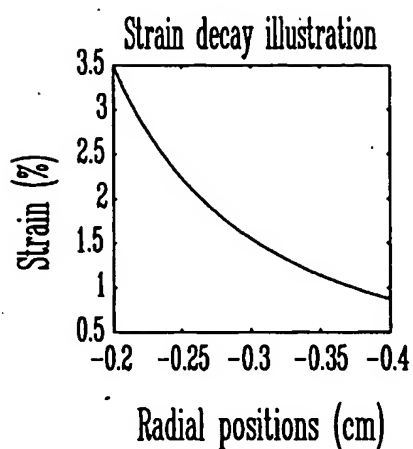
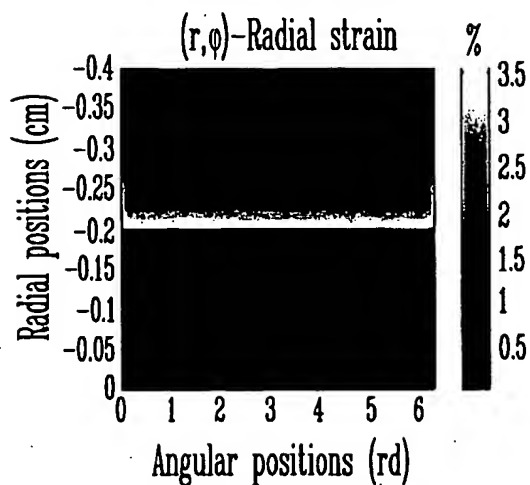
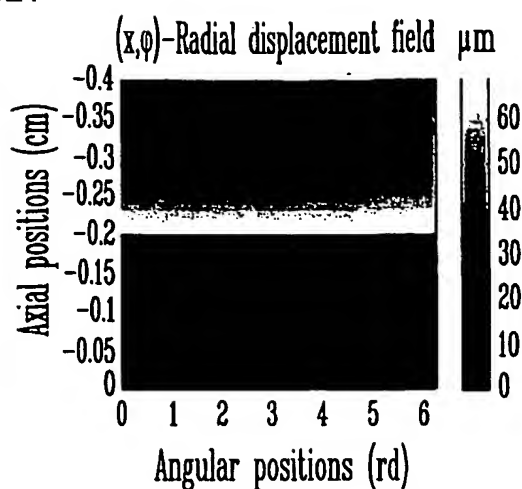
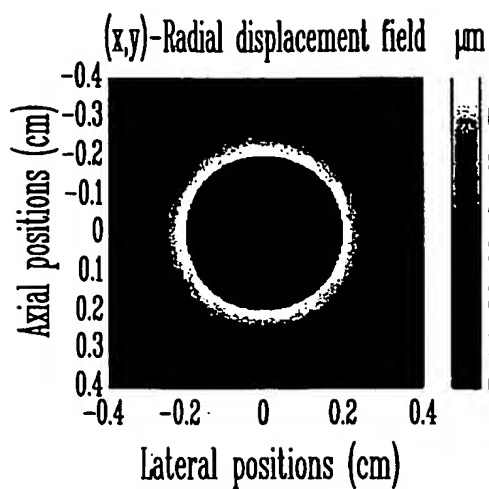
4/21

FIG. 5

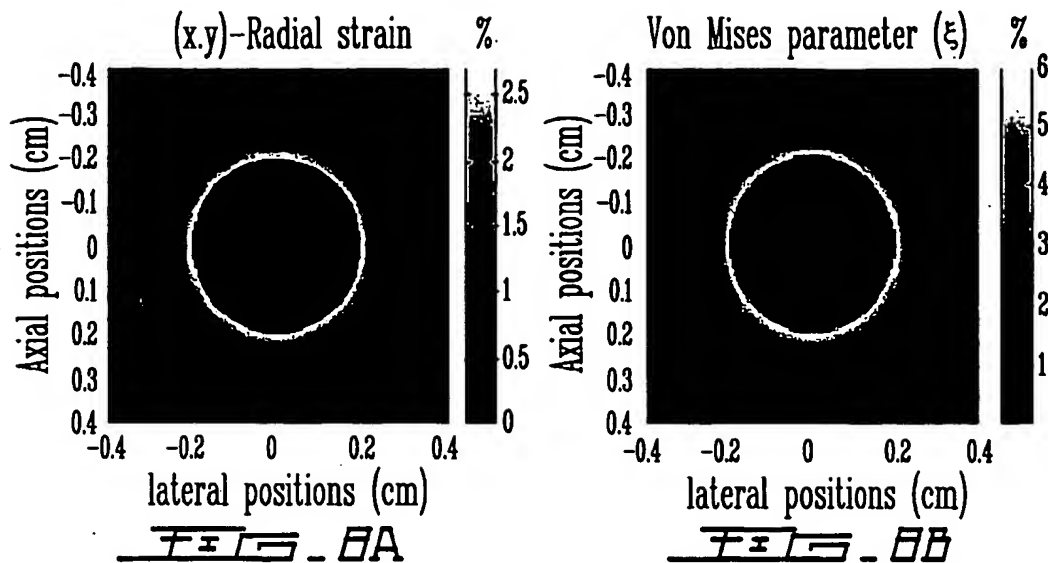
5/21



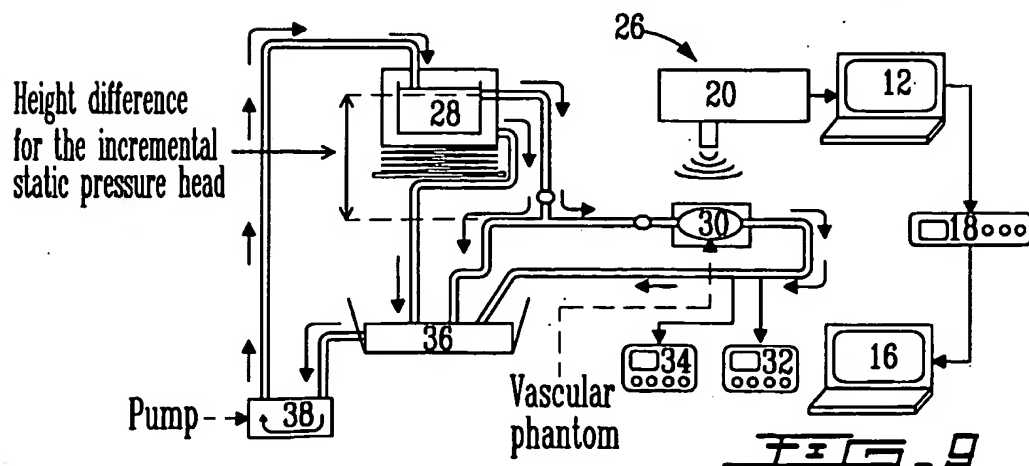
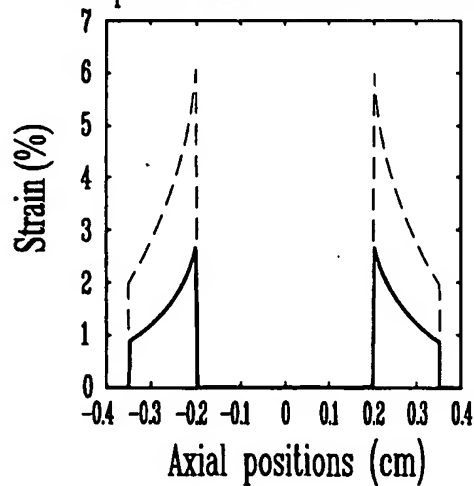
6/21



7/21



Comparison between radial strain and ξ



8/21

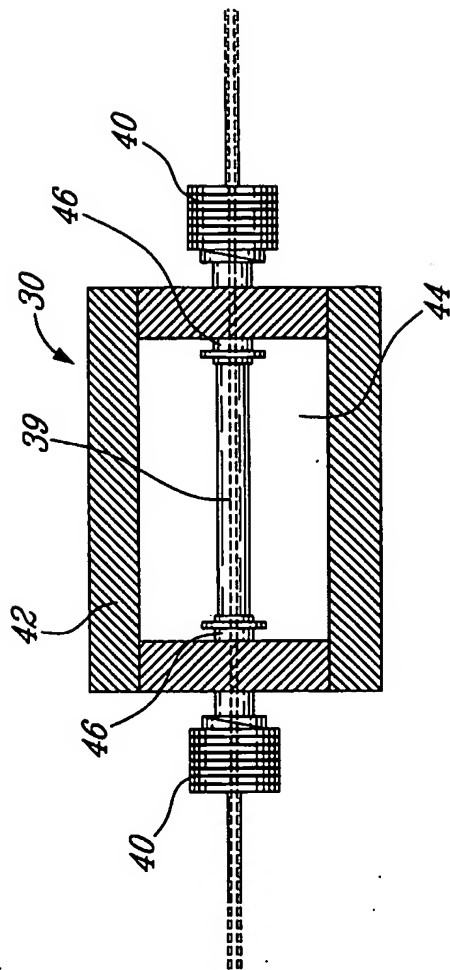


FIG. 10

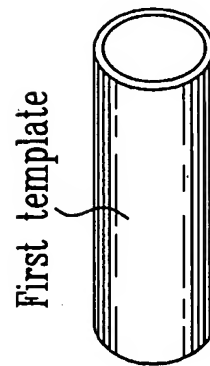


FIG. 11A

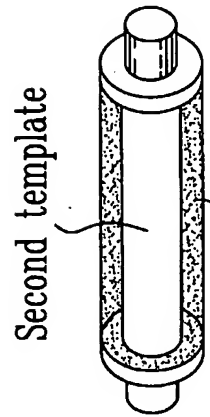


FIG. 11B

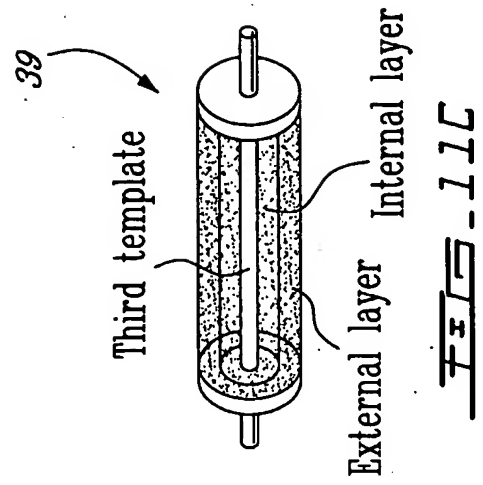
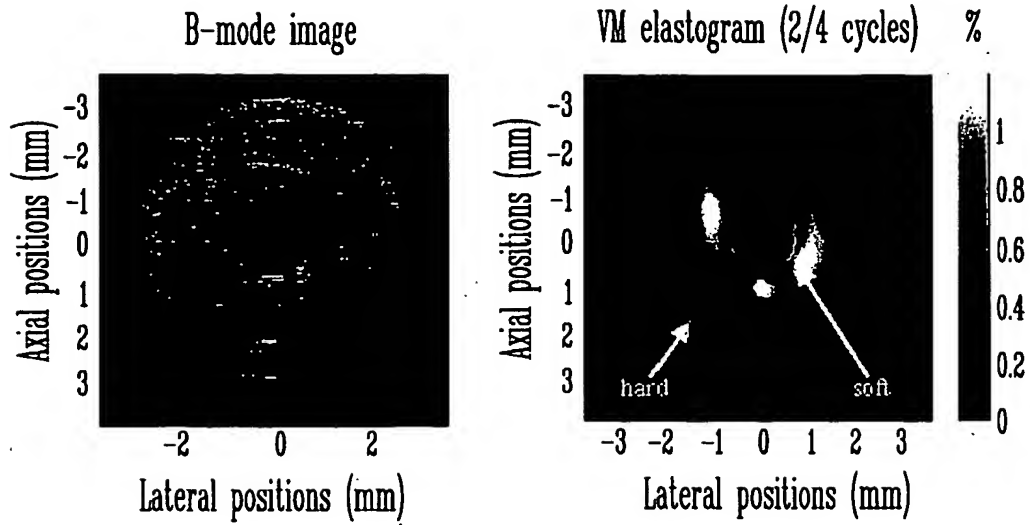
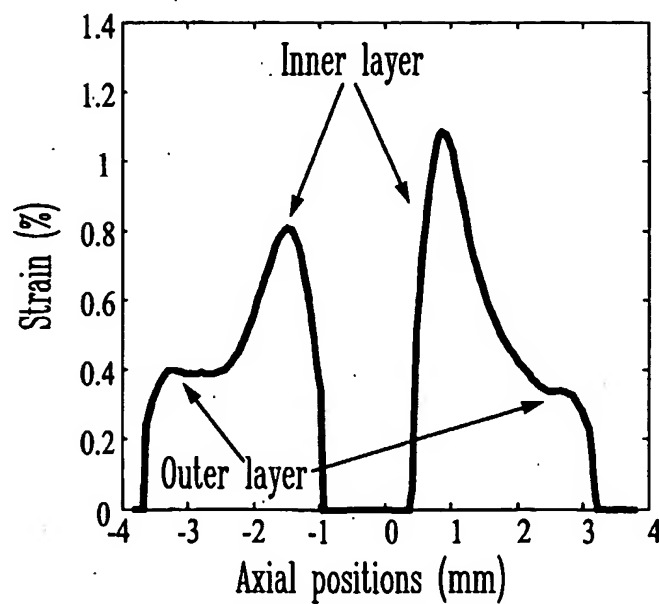


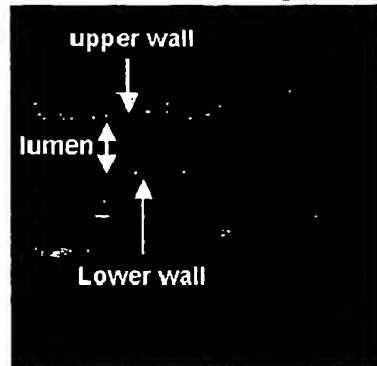
FIG. 11C

9/21

FIG. 12A (PRIOR ART)FIG. 12BFIG. 12C

10/21

B-mode image

FIG. 13A (PRIOR ART)

Segmented B-mode image

FIG. 13B

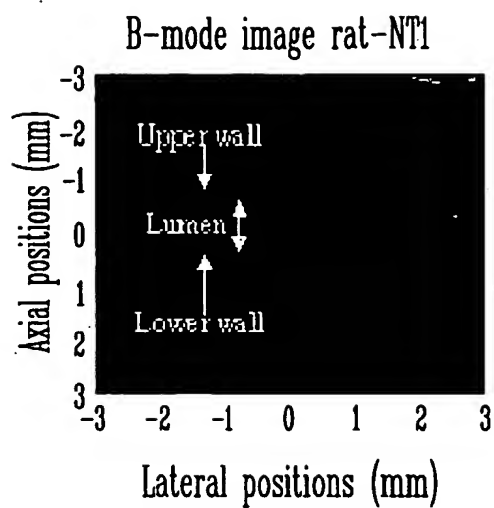
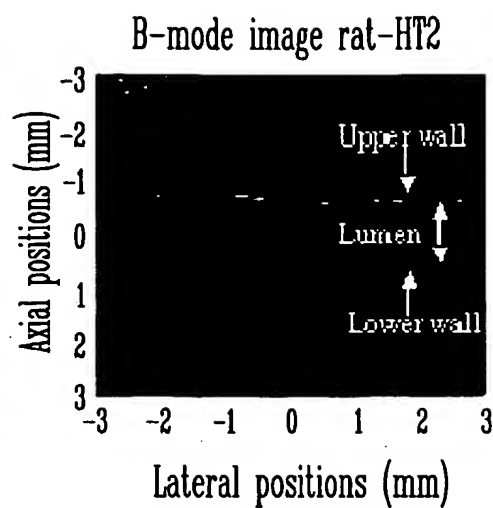
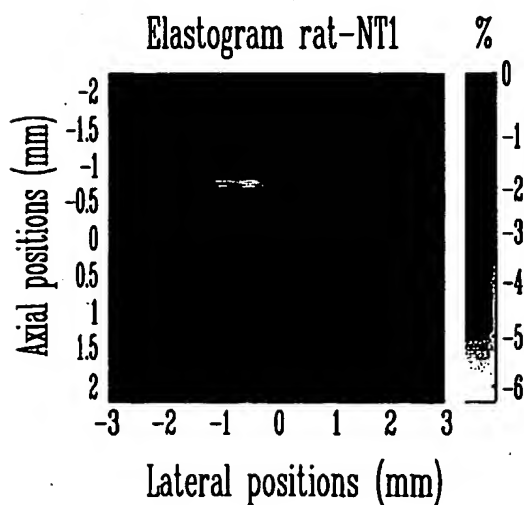
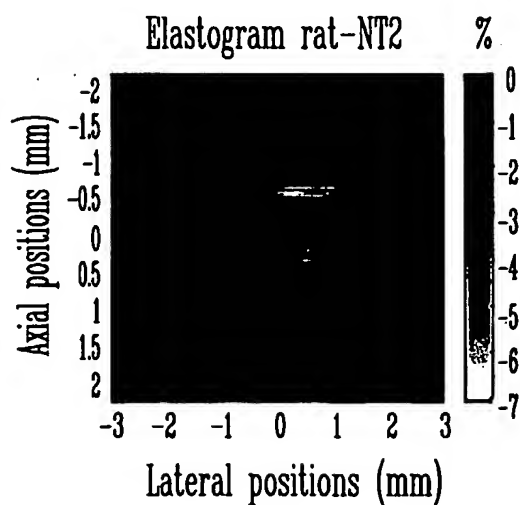
Elastogram

FIG. 13C

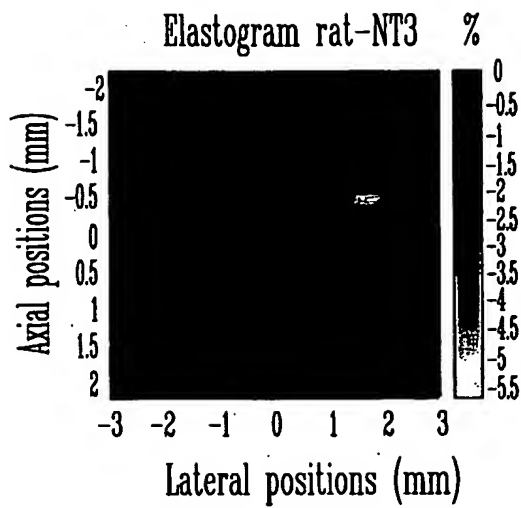
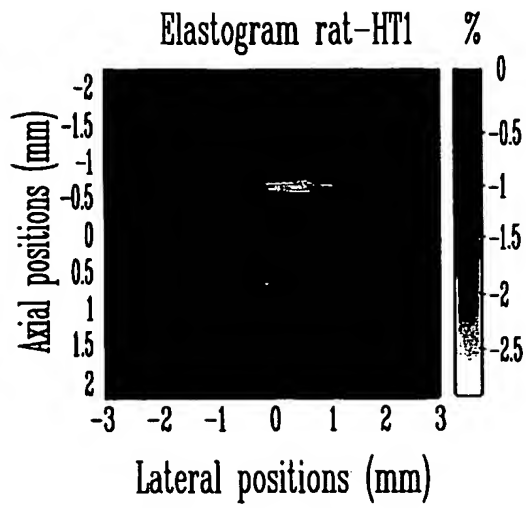
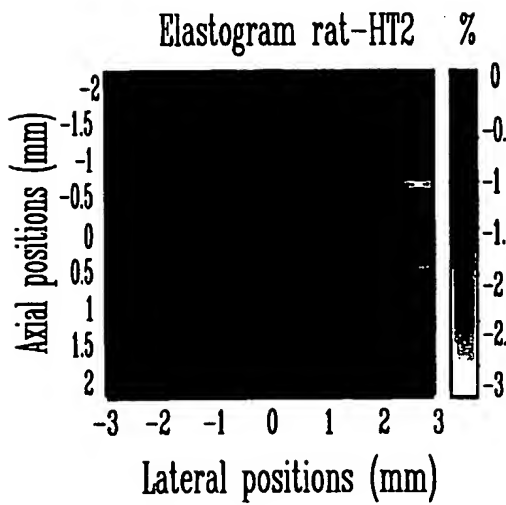
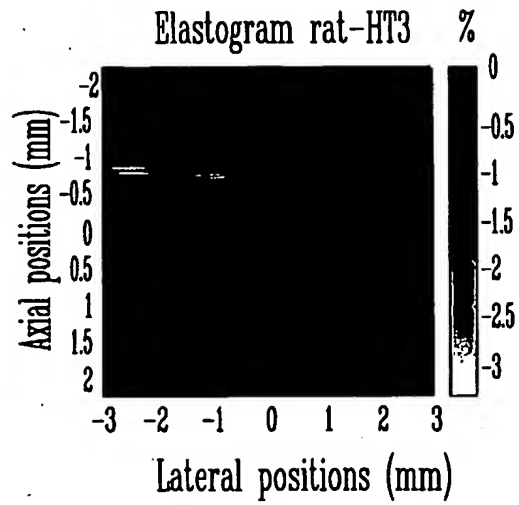
Elastogram

FIG. 13D

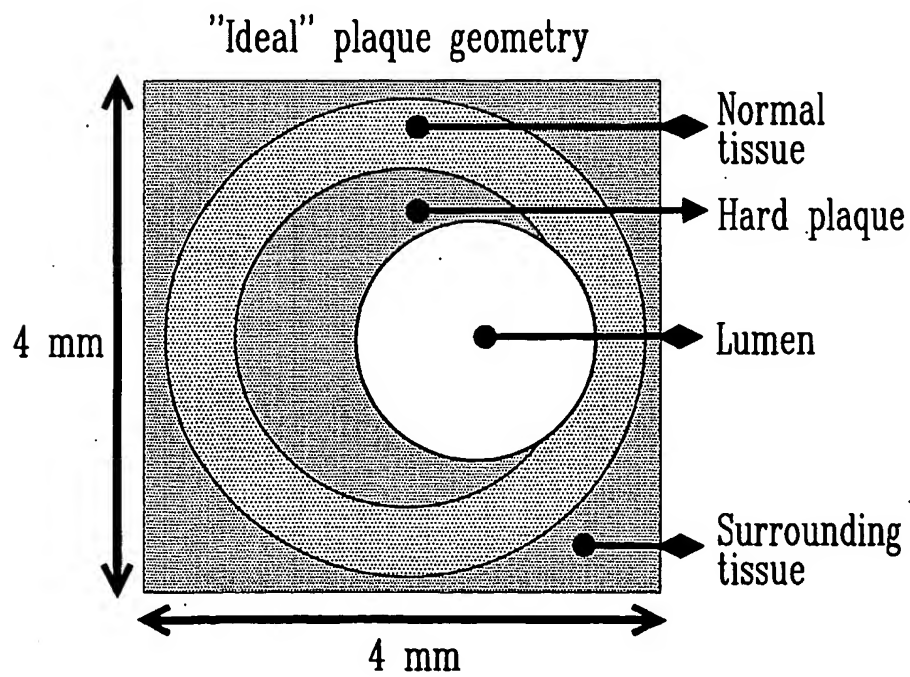
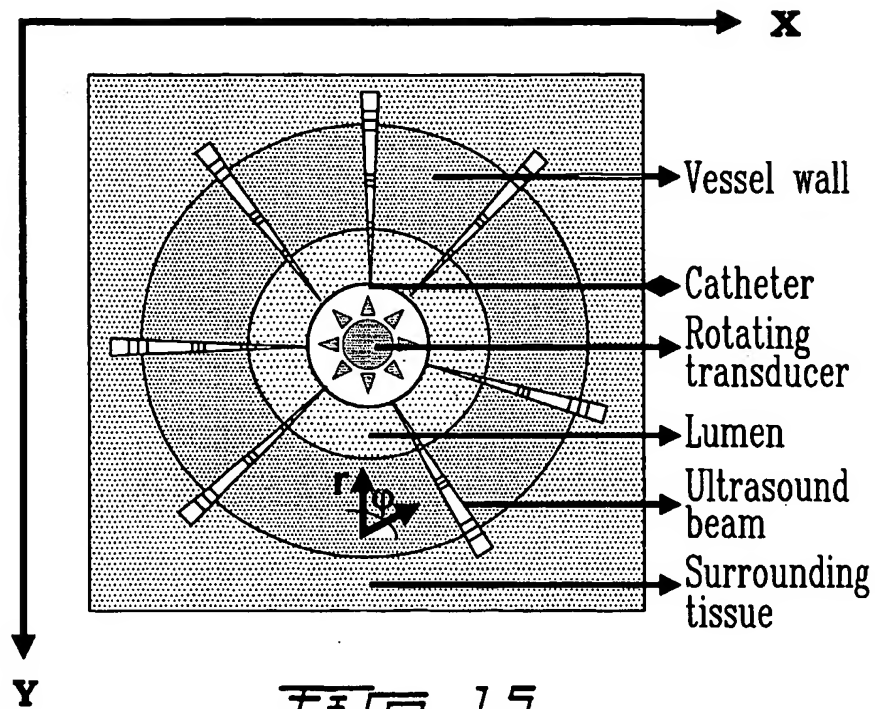
11/21

FIG. 14A (PRIOR ART)FIG. 14B (PRIOR ART)FIG. 14CFIG. 14D

12/21

FIG. 14 EFIG. 14 FFIG. 14 GFIG. 14 H

13/21



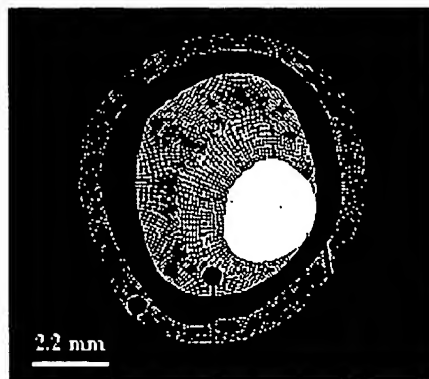
14/21

In vivo IVUS image



FIG. 17A (PRIOR ART)

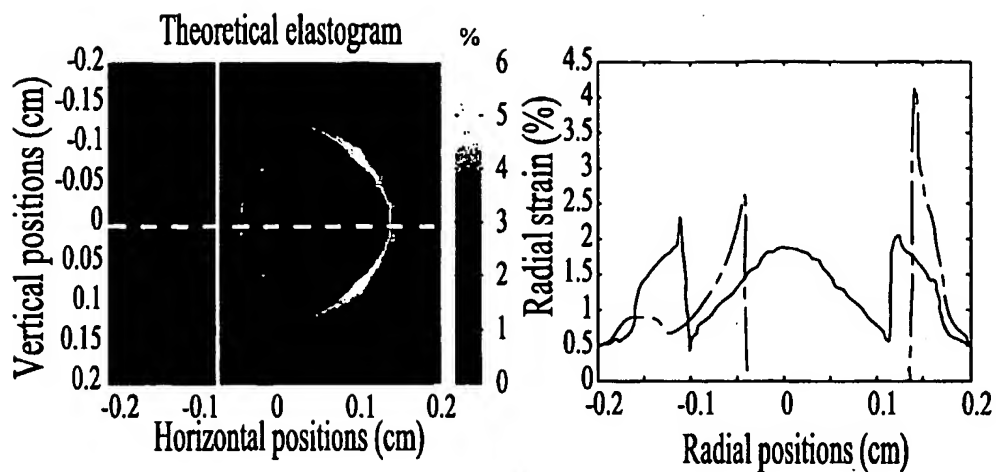
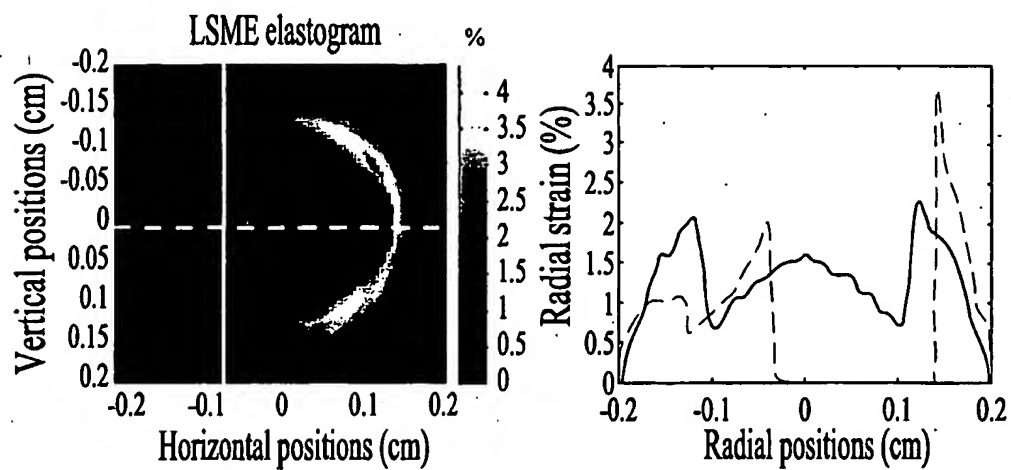
Cross-sectional vessel wall reconstruction



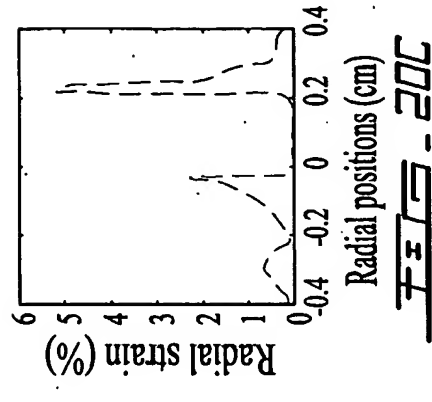
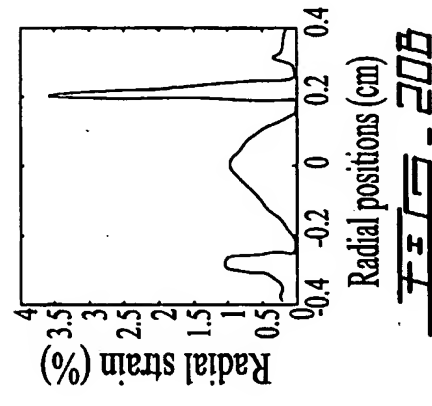
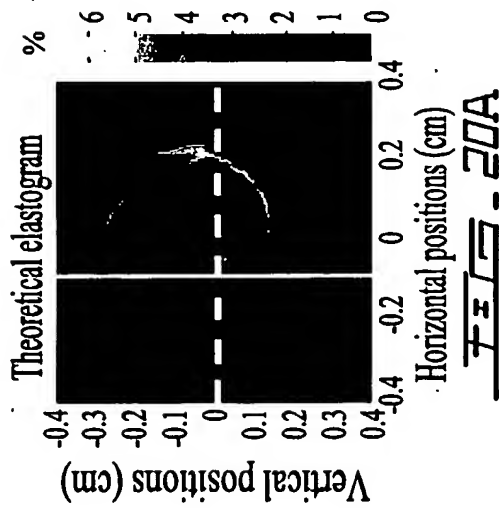
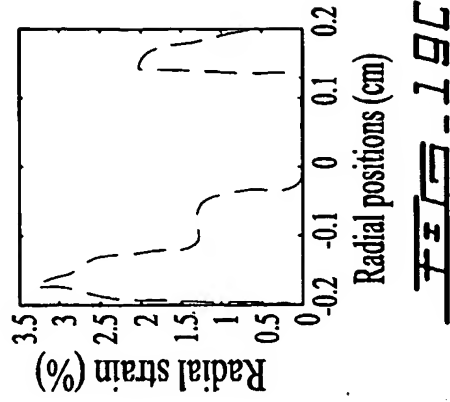
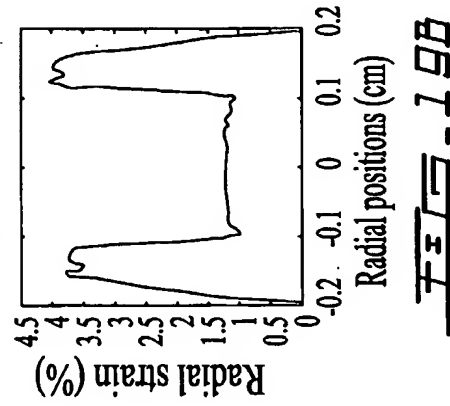
Media & adventicia Dense fibrosis Cellular Fibrosis

FIG. 17B

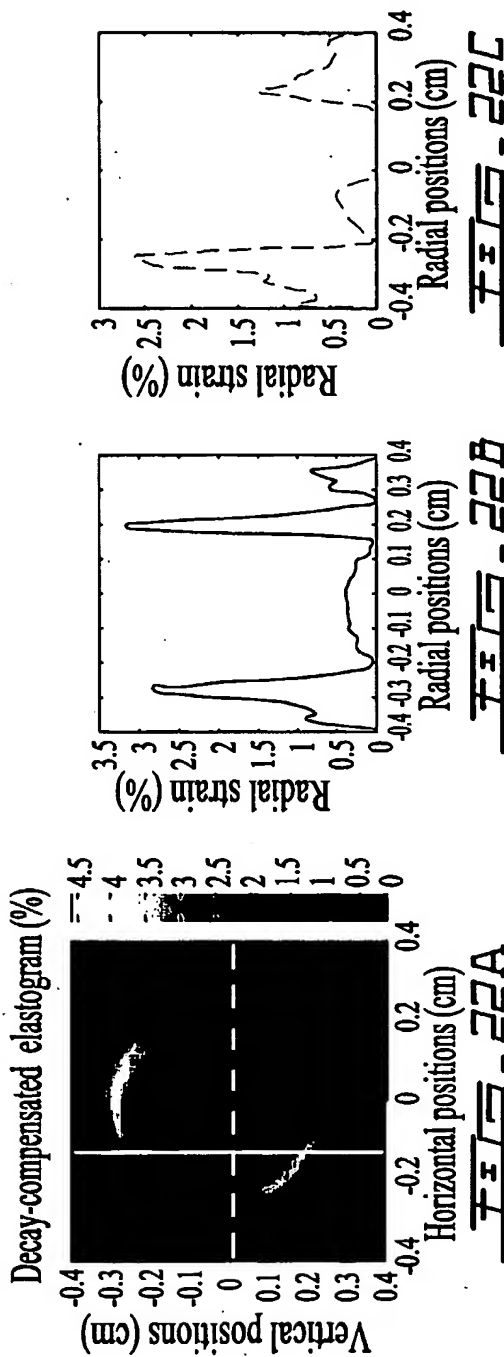
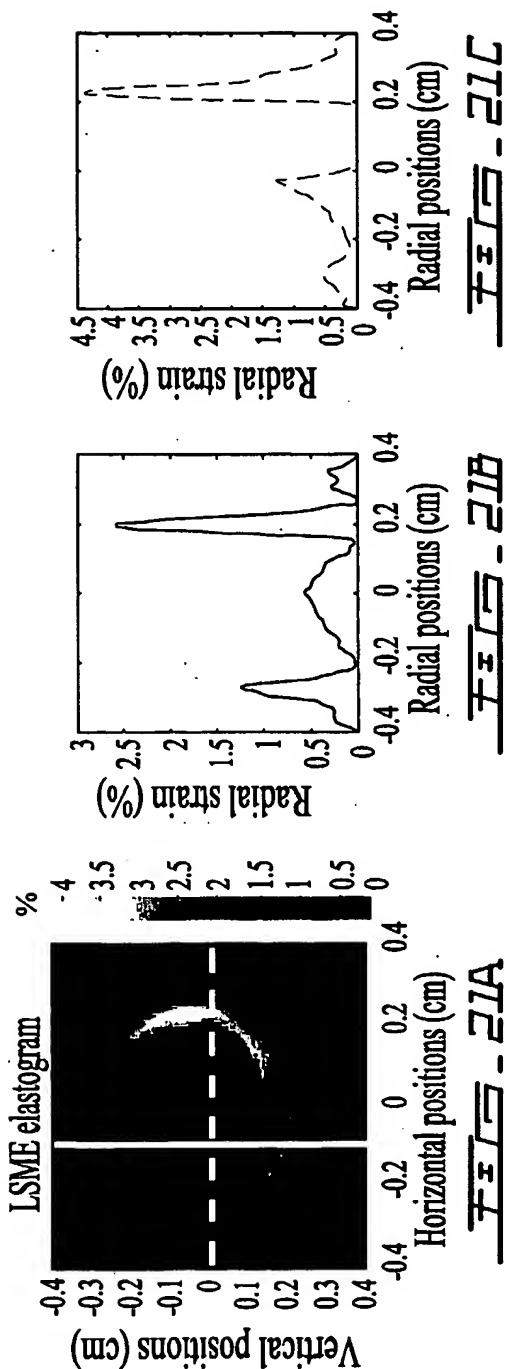
15/21

FIG. 18AFIG. 18BFIG. 18CFIG. 18D

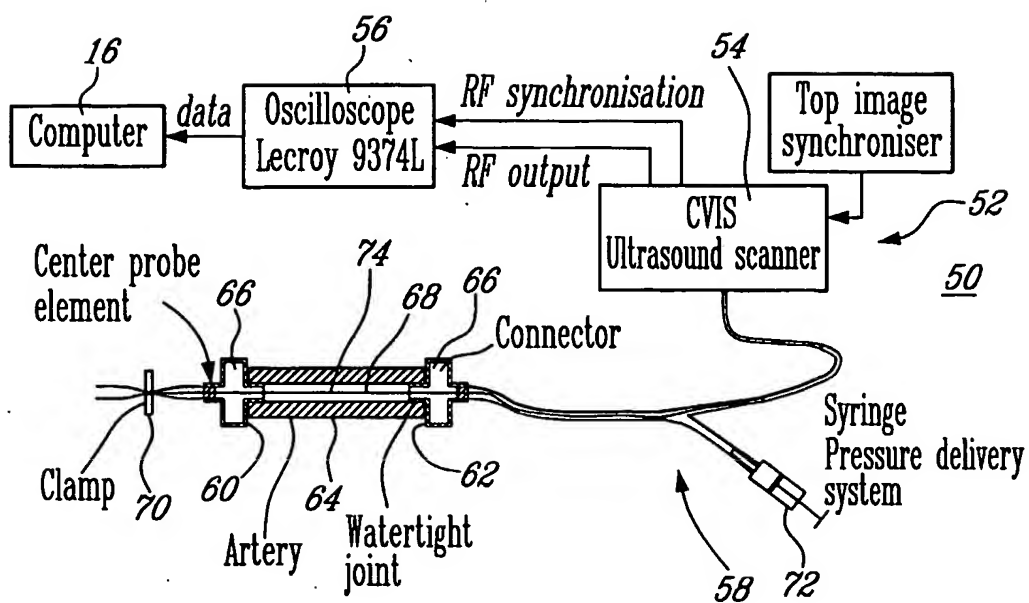
16/21



17/21



18/21



19/21

Histology

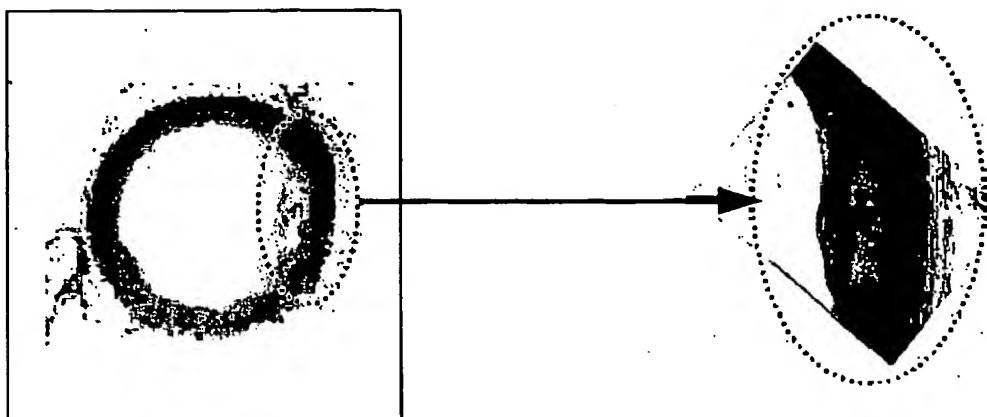


FIG. 24 A (PRIOR ART)

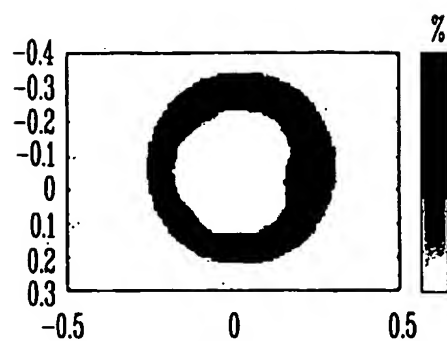
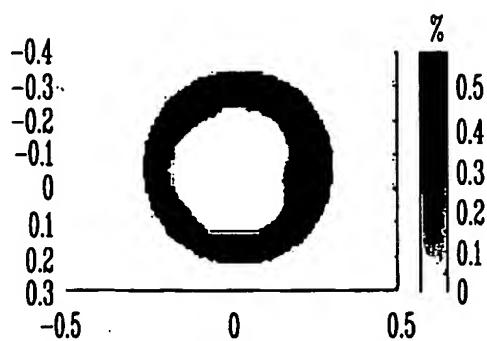
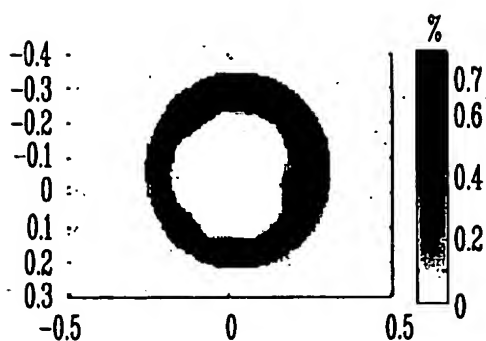
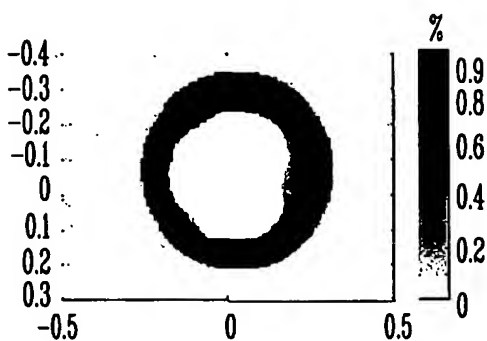
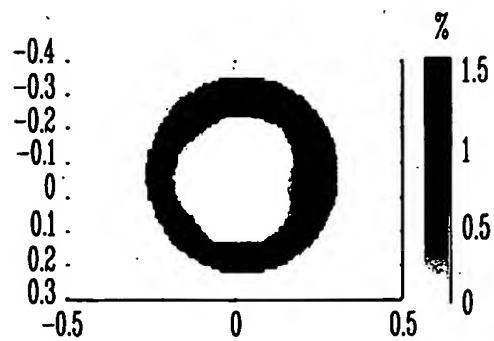
FIG. 24 B (PRIOR ART)

IVUS images

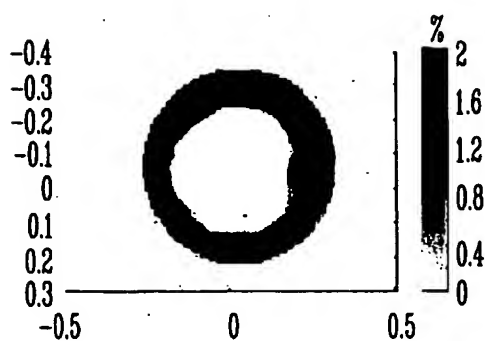
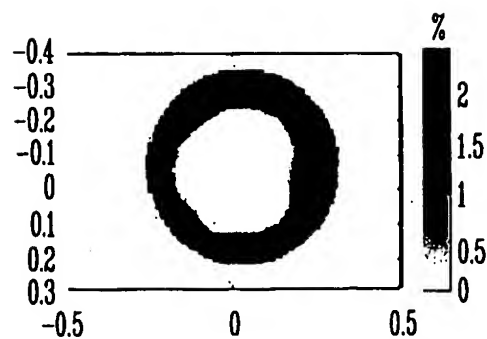


FIG. 24 C (PRIOR ART)

20/21

FIG. 25AFIG. 25BFIG. 25CFIG. 25DFIG. 25EFIG. 25F

21/21

FIG. 25GFIG. 25HFIG. 25IFIG. 25J

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